

SenSys 2011



The 9th ACM Conference on
Embedded Networked Sensor
Systems

November 1 – 4, 2011

Seattle, WA

sensys.acm.org/2011/

Call for Papers

The 9th ACM Conference on Embedded Networked Sensor Systems (SenSys 2011) solicits innovative research papers on the systems issues of networked, embedded sensing and control. The conference brings together academic, industry, and government professionals to a premier single-track, highly selective forum on sensor network design, implementation, and application.

We seek technical papers describing original ideas, groundbreaking results and/or quantified system experiences involving sensor systems. SenSys takes a broad view of sensor systems to include any distributed system that interacts with the physical world. Topics of interest include, but are not limited to, the following:

- Experience with real-world deployments and applications
- Resource management and OS support for sensing systems
- Energy management and harvesting for long-term operation
- Wireless communication systems and protocols for sensor networks
- Sensor network measurement and characterization
- Programming paradigms and models for distributed sensing
- Sensor network debugging, fault-tolerance and reliability
- Sensing, actuation and control in cyber-physical systems
- Sensor systems leveraging mobile phones, RFIDs, robots, etc.
- Distributed sensor data storage, retrieval, processing and management
- Approaches to sensor network architecture
- Sensor data quality, integrity, and trustworthiness
- In-network data reduction, inference, and signal processing
- Security and privacy in sensor networks
- Time and location estimation and management

Submissions will be judged on originality, significance, clarity, relevance, and correctness. In addition to citing relevant, published work, authors must relate their submissions to relevant submissions of their own that are simultaneously under review for this or other venues.

Submission Guidelines:

Submissions must be full papers, at most 14 single-spaced 8.5" x 11" pages, including figures, tables, and references, two-column format, using 10-point type on 12-point (single-spaced) leading, with a maximum text block of 7" wide x 9" deep with an intercolumn spacing of .25". Authors must make a good faith effort to anonymize their submissions. Papers that do not meet the size, formatting, and anonymization requirements will not be reviewed. Accepted submissions will be available on the ACM digital library at least one week before the conference.

Key Dates (hard deadlines – no extensions will be granted):

- Paper Registration and Abstract: April 1, 2011, 11:59 pm EST.
- Paper Submission Deadline: April 8, 2011, 11:59 pm EST.
- Notification of Paper Acceptance: July 15, 2011.

Call for Industry Papers

SenSys 2011 introduces an industry session to reinforce the interaction between academic research and industry. Industry papers should focus on the same topics as in the general call, however, they should adopt a different viewpoint by focusing on design, implementation, deployment, and use of realistic systems. Furthermore, industry session papers are not expected to present novel research. The types of papers the session seeks to publish include but are not limited to descriptions of:

- Real systems that have been built and deployed
- Engineering challenges in the industry context
- Deployment, usability, and maintenance issues
- Academic research challenges arising from the industry context
- Academic research that is considered not relevant in the industry context
- Business opportunities and business failures

Submission Guidelines:

Authors of industry papers should include an industry affiliation. Papers must have a length between 7 and 14 pages and will undergo a full review by the TPC separate from non-industrial papers. The title of industry papers must be prefixed with "Industry:" Accepted papers will be published in the conference proceedings. Apart from these points, the general submission instructions apply. The SenSys 2011 program committee chairs are happy to answer any questions about the format or content of submissions.

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Jie Liu (Microsoft Research)

Program Chairs

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